

From the INTERNATIONAL SEARCHING AUTHORITY To: NOTIFICATION OF TRANSMITTAL OF COHEN, Alan Nichol THE INTERNATIONAL SEARCH REPORT 2 Grove Place OR THE DECLARATION Tastsfield Near Westerham (PCT Rule 44.1) Kent TN16 2BB UNITED KINGDOM Date of mailing (day/month/year) 12/05/2004 Applicant's or agent's file reference 528 (ELO44) FOR FURTHER ACTION See paragraphs 1 and 4 below International application No. international filing date (day/month/year) 19/12/2003 PCT/GB 03/05573 Applicant "Zr Complexes" BLAM-T LIMITED 1. $|\chi|$ The applicant is hereby notified that the International Search Report has been established and is transmitted herewith. Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46): Whan? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet. International Bureau of WIPO Where? Directly to the 34, chemin des Colombettes 1211 Geneva 20, Switzerland Fascimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet. The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that: the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices. no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made. 4. Further action(s): The applicant is reminded of the following: Shortly after 18 months from the priority date, the international application will be published by the international Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the international Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the complation of the technical preparations for international publication. Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (In some Offices even later). Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the

Name and mailing address of the International Searching Authority European Patent Office, P.B. 5818 Patentlaan 2

NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

priority date or could not be elected because they are not bound by Chapter II.

Authorized officer

Véronique Baillou



These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty, in case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the International preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international phulication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all pasts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittel of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been its filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)): .

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.



NOTES TO FORM PCT/ISA/220 (continue

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new:
- (iv) the claim replaces one or more claims as filed;
- _(v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
 "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers;
 claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]:
 "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims):
 "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 18 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report of the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the international Bureau, also file a copy of such amendments with the international Preliminary Examining Authority (see Bule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.





INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference		of Transmittal of International Search Report 20) as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/GB 03/05573	19/12/2003	24/12/2002
Applicant		
-		
ELAM-T LIMITED		
This international Search Report has bee according to Article 18. A copy is being to	n prepared by this international Searching Auti ansmitted to the International Bureau.	nority and is transmitted to the applicant
This International Search Report consists It is also accompanied by	of a total of 6 sheets. a copy of each prior art document cited in this	report.
1. Basis of the report		
 With regard to the language, the language in which it was filed, unit 	international search was carried out on the bar less otherwise indicated under this item.	sis of the international application in the
the international search w	vas carried out on the basis of a translation of t	he international application furnished to this
		ternational application, the international search
	onal application in written form.	
filed together with the inte	emational application in computer readable for	n.
furnished subsequently to	this Authority in written form.	
• • •	this Authority in computer readble form.	
	bsequently furnished written sequence listing d us filed has been furnished.	oes not go beyond the disclosure in the
the statement that the infi furnished	ormation recorded in computer readable form is	s identical to the written sequence listing has been
2. X Certain claims were fou	ind unsearchable (See Box I).	
3. Unity of invention is lac	king (see Box II).	•
4. With regard to the title,		
X the text is approved as su	abmitted by the applicant.	
	shed by this Authority to read as follows:	
5. With regard to the abstract,		
X the text is approved as su	ubmitted by the applicant.	
the text has been establis within one month from the	shed, according to Rule 38.2(b), by this Authories date of mailing of this international search rep	ty as it appears in Box III. The applicant may, ort, submit comments to this Authority.
6. The figure of the drawings to be published	lished with the abstract is Figure No.	1
as suggested by the appli	icant.	None of the figures.
X because the applicant fail	ed to suggest a figure.	
because this figure better	characterizes the invention.	_

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C09K11/06 H05B33/14

H01L51/20

H01L51/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C09K H05B H01L

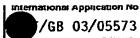
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99/53724 A (THE UNIVERSITY OF SOUTHERN CALIFORNIA, USA; THE TRUSTEES OF PRINCETON U) 21 October 1999 (1999-10-21) * Experiments, page 27 through page 44, claims *	1-36
X	DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; SUZUKI, MUTSUKO ET AL: "Organic electroluminescent devices" XP002277664 retrieved from STN Database accession no. 134:245058 * abstract, structural formula 16 *	1-36

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.			
Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance.	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention			
 E earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special roason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed 	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such document is combined with one or more other such document, such combination being obvious to a person skilled in the art. "&" document member of the same patent family			
Date of the actual completion of the international search 23 Apr 11 2004	Date of mailing of the international search report 12/05/2004			
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Nemes, C			



	<u> </u>	/ GB 03/0	
C.(Continu	etion) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	R	elevant to claim No.
ì	-& JP 2001 076879 A (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., JAPAN) 23 March 2001 (2001-03-23) * page 3, formula (I), page 4, table, entries 3,4 *		
X	DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; KIM, YOUNG KYU ET AL: "Organometallic light-emitting substances, their manufacture, and organic		1-36
	electroluminescent devices using them" XP002277665 retrieved from STN Database accession no. 132:187445 * abstract, structural formulae 14 and 15 *	-	
	-& JP 2000 053957 A (ADVANCED TECHNICAL RESEARCH INSTITUTE, S. KOREA) 22 February 2000 (2000-02-22) * page 4, formula 13, page 7, formula (5) *		
	DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; UEDA, HIDEAKI ET AL: "Organic electroluminescent device" XP002277666 retrieved from STN Database accession no. 132:129805 * abstract, structural formulae 17-21 * -& JP 2000 030864 A (MINOLTA CAMERA CO., LTD., JAPAN) 28 January 2000 (2000-01-28) * page 5, compounds 1-9 *		1-36

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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: -

The initial phase of the search revealed a very large number of documents relevant to the issue of novelty. So many documents were retrieved that it is impossible to determine which parts of the claims may be said to define subject-matter for which protection might legitimately be sought (Article 6 PCT). For these reasons, a meaningful search over the whole breadth of the claims is impossible. Consequently, the search has been restricted to the compound of claim 10 combined with the use in an electroluminescent device, an electroluminescent composition comprising said compound in a device and an electroluminescent device comprising said compound.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome





Box I	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This Inte	ernetional Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. X	Claims Nos.:
	because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
	see FURTHER INFORMATION sheet PCT/ISA/210
[]	
3	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II	Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This inte	emational Searching Authority found multiple inventions in this international application, as follows:
1.	As all required additional search fees were timely paid by the applicant, this international Search Report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the Invention first mentioned in the claims; it is covered by claims Nos.;
Remark	on Protest The additional search fees were accompanied by the applicant's protest.
	No protest accompanied the payment of additional search fees.

nation on patent family members

/GB 03/05573

Patent docu cited in search			Publication date		Patent family member(s)		Publication date
WO 99537	24	Α	21-10-1999	US	6287712	B1	11-09-2001
				US	6210814	B1	03-04-2001
				US	6312836	B1	06-11-2001
				AU	3486199	Α	01-11-1999
				MO	9953724	A1	21-10-1999
JP 20010	76879	A	23-03-2001	NONE			
JP 20000	53957	Α	22-02-2000	JP	3302945	B2	15-07-2002
				JP	2001302646	Α	31-10-2001
				JP	2001288463	Α	16-10-2001
				JP	2001288464	A	16-10-2001
				KR	2000006345	A	25-01-2000
				US	2002045063	A1	18-04-2002
				US	2002045064	A1	18-04-2002
•				ÙS	2002045065	A1	18-04-2002
				US	2003165711	A1 _	04-09-2003
JP 200003	80864	A	28-01-2000	NONE	· ··· · · · · · · · · · · · · · · · ·		